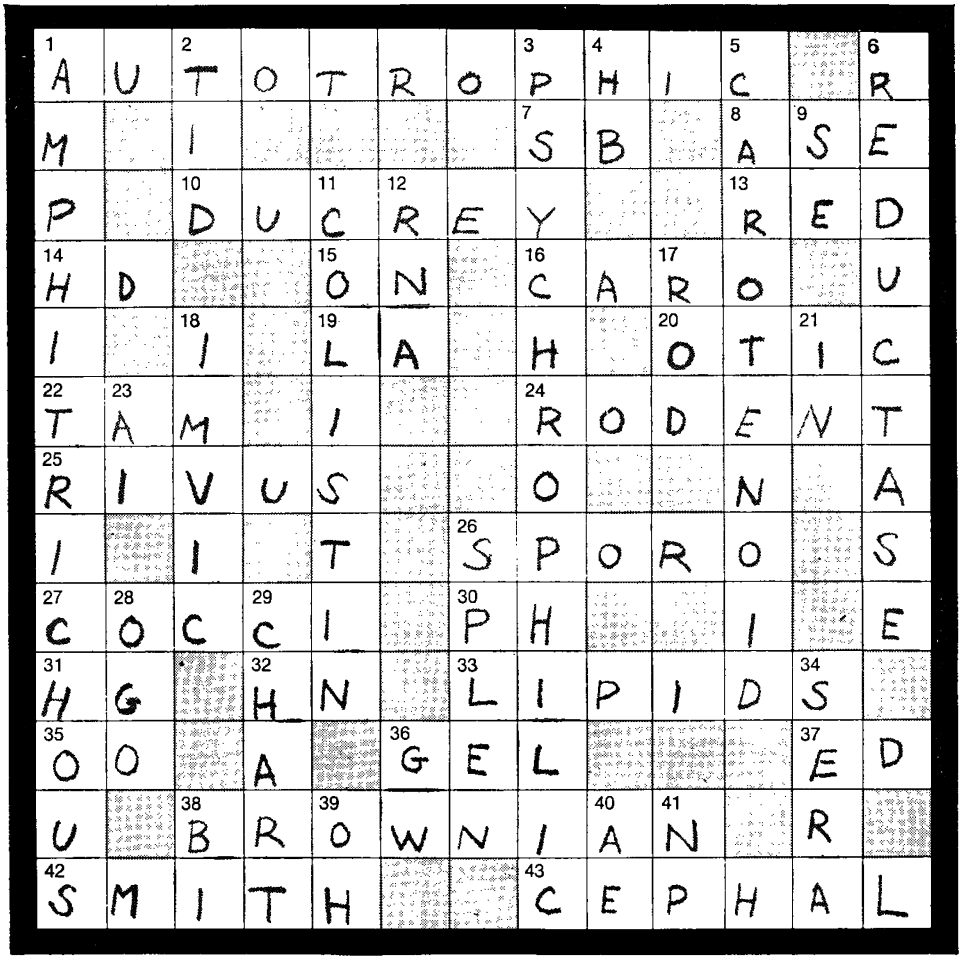


from the makers of Coly-Mycin® Injectable (colistimethate sodium) here's the answer to the unusual bacteriologist's puzzle

that appeared in the June 1966 issue of BACTERIOLOGICAL REVIEWS

ACROSS

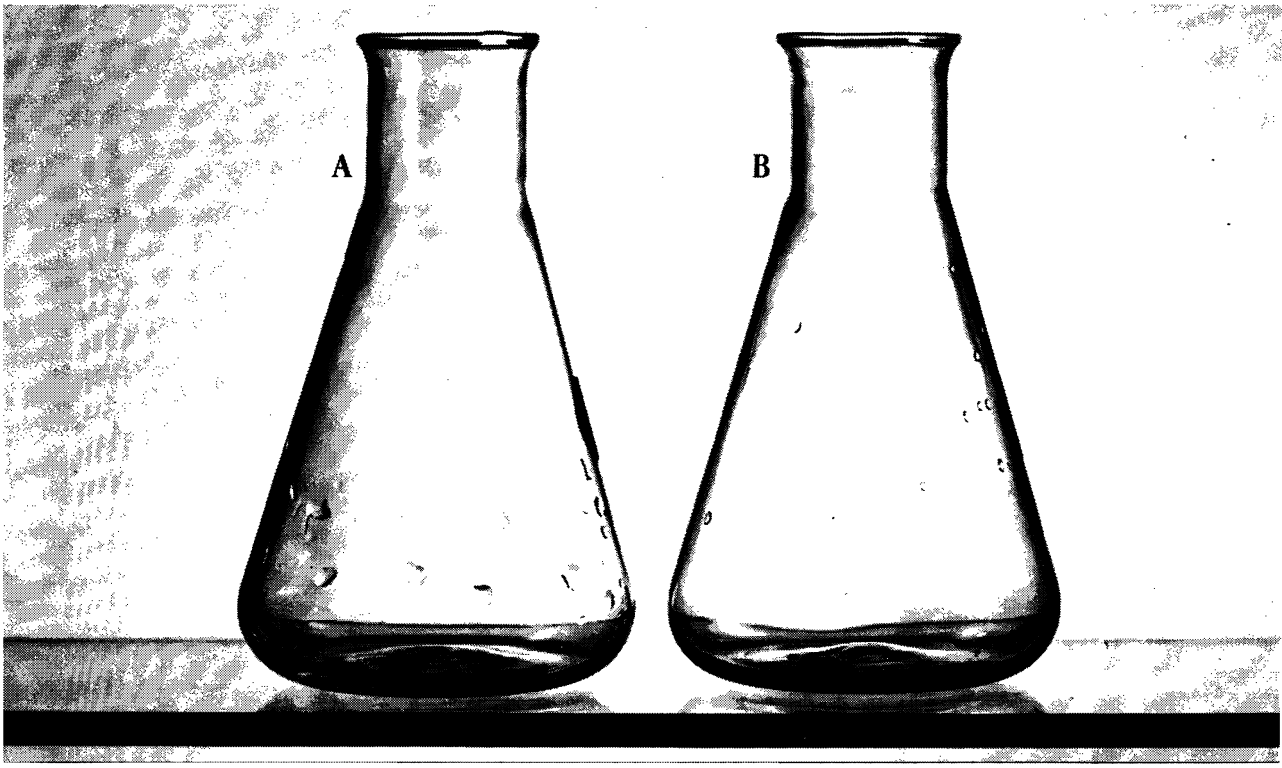
1. Type of bacteria that lives on inorganic matter
7. Antimony
8. Enzyme
10. Discoverer of specific bacillus of soft chancre (1889)
13. Gram-negative stain
14. Discoverer of bacterial agglutination (1896) (init.)
15. Every night
16. Flesh or muscular tissue
19. Lanthanum
20. Pertaining to the ear
22. Toxoid-antitoxin mixture (ab.)
24. Common animal for *in vivo* testing
25. Little stream (L.)
26. _____gony: sexual life cycle to plasmodium
27. Spherical bacteria
30. Hydrogen ion concentration
31. Mercury
32. Eminent Japanese bacteriologist (1876-1928) (init.)
33. Type of fats
35. Egg (comb. form)
36. Firm colloid
37. Effective dose (ab.)
38. Type of bacterial movement
42. Type of fermentation tube
43. Toward the head

DOWN

1. Bacteria with several spirillae
2. Thrice daily
3. Cold-loving bacteria
4. Hemoglobin (ab.)
5. Type of bacterial pigment
6. Changes H_2O_2 to H_2O and O_2
9. Selenium
11. Gram-negative bactericide
12. Ribonucleic acid
17. Bacillary shape
18. Mnemonic for coliform bacteria classification test
21. Indium
23. Axioincisal (ab.)
26. Relating to the spleen (comb. form)
28. Gangosa
29. Tabular information sheet
34. Clear animal liquids
36. Founder of Journal of Pathology and Bacteriology (init.)
38. Bismuth
39. Hydroxyl radical
40. Antitoxic unit
41. Neptunium

NOW, MAY WE HAVE SOME ANSWERS FROM YOU... about your reactions to and comments on this advertising series? Please send a brief note to: Warner-Chilcott Laboratories
201 Tabor Road, Morris Plains, N.J.
Att.: J. S. Travis CI-ST-64-2C

WARNER-CHILCOTT

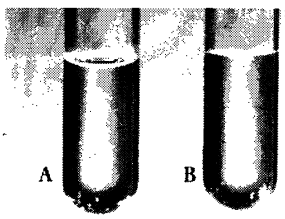


Why is it easier to work with flask B?

Because it's coated with Siliclad, the soluble silicone that sheds liquids, makes cleaning easier and faster, and prevents sticking of rubber or glass stoppers. *And* Siliclad significantly reduces glassware breakage. Glassware coated with Siliclad resists surface scratches, the major cause of breakage.

Easier in the laboratory

Siliclad-treated surfaces repel water, blood, mucus, and most organic materials. With the use of Siliclad blood clotting is reduced, more clear serum is obtained, and less hemolysis is found. More accurate determinations are possible because treated cylinders and pipettes deliver full content, do not retain droplets.* Siliclad can also be used to lubricate glass stoppers to prevent fusing, to coat glass apparatus to prevent meniscus formation in fluids, to prevent freezing of glass plungers in hypodermic syringes, and to prevent violent chemical foaming reactions.[1]



Just where is the surface of the liquid in tube A? With ordinary meniscus surface you can't be sure. In Siliclad-treated tube B liquid forms flat surface, allows more accurate determination.

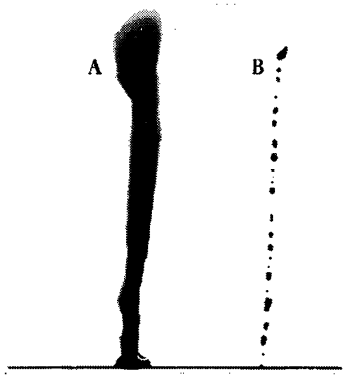
Easier in the hospital

In the hospital, Siliclad can be used to treat tubing and catheters... needles for I.V. applications... I.V. sets... replacement-transfusion sets ...blood reconditioning apparatus... artificial kidneys. In chest drainage tubes, silicone-treated tubes maintain patency and make drainage failure a rarity... add to the ease and safety of postoperative care.[2] Patients have found Siliclad-treated tubing far more comfortable than untreated tubing... less irritating to mucosa.[3] Hospital equipment treated with Siliclad is much easier to clean after use.[3] Siliclad added to sterilizing solutions prevents dulling of sharp instruments and wear and tear of movable parts.[1]

Siliclad-treated surfaces resist heat, moisture, and most common chemicals. Use it for treating ceramic, metal, and plastic surfaces and also for glass and rubber. Siliclad coating resists extreme temperature changes and oxidation. It is nontoxic to body tissues.

Siliclad, when diluted with ordinary tap water, makes 25 pints of solution.

**Note:* Siliclad should not be used for glass items which depend on capillary action or adhesion to perform properly.



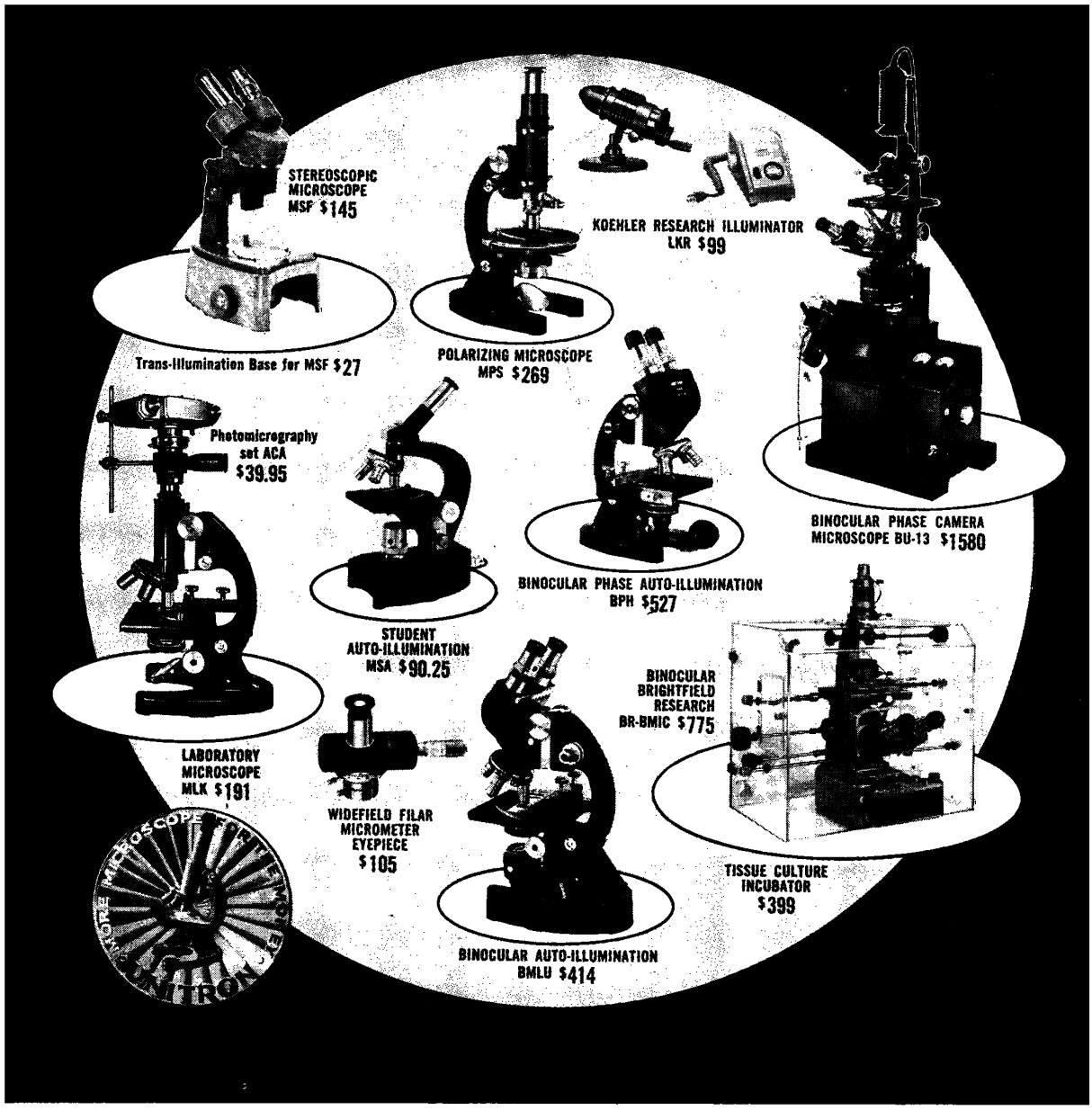
ACTUAL PHOTOGRAPH

Equal amounts of blood dropped simultaneously on glass plate at 90° angle.
A. Blood on untreated surface clings to glass, spreads slowly down glass, pools at bottom edge.
B. Blood on Siliclad-treated surface runs down glass plate immediately. Does not cling, stick, or pool at bottom edge of plate. Gentle tapping of glass plate removes few "beads" remaining.

References: (1) Levin, H. L.: Milit. Med. *121*:397 (Dec.) 1957. (2) Harkins, G. A.: J. Thoracic & Cardiovas. Surg. *40*:549 (Oct.) 1960. (3) Cantor, M. O.: Am. J. Surg. *100*:584 (Oct.) 1960.

Available from your dealer: Siliclad is supplied as a concentrate in a 4 oz. bottle.

Clay-Adams
New York 10, N. Y.



WHY UNITRON MICROSCOPES ARE SEEN IN THE BEST OF CIRCLES

Most brands of microscopes promise quality . . . But UNITRON really delivers it.

Some other brands imply economy . . . UNITRON proves it . . . check our prices!

A few others claim both quality and economy . . . But UNITRON is the brand that guarantees both.

What's more, this guaranteed UNITRON quality and economy are offered in a complete line of microscopes, to meet the routine and research needs of modern labs. Choose from brightfield, darkfield, and phase contrast models . . . monocular or binocular . . . familiar upright or unique inverted stands, with attachable or built-in cameras and illumination systems.

The **extra**ordinary features of many other brands are the **ordinary** in UNITRON Microscopes. Complete optical and mechanical accessories are standard equipment, rather than hidden extras "at slight additional cost". Coated optics are second to none. Original designs provide easy operation, versatility, lab-proven ruggedness and guaranteed performance. All of these are just routine, normal advantages that customers have learned to expect when they specify UNITRON Microscopes — **plus** attractive prices which are so easy on your budget.

UNITRON MEANS MORE MICROSCOPE for the MONEY. Leading labs throughout the world know this. It's the reason, really, why "UNITRON Microscopes are seen in the best of circles". But why take our word? It's easy to prove for yourself, the advantages and value that UNITRON can offer you. Borrow any model (or models) for a **free 10 day trial** in your own lab. No cost . . . no obligation to buy . . . not even any shipping charges. Why not use the coupon to ask for a free trial, the chance to try before you decide whether or not to purchase. Or, ask us to send a catalog that will give you full details and prices about UNITRON's complete line.

☐ Please send UNITRON'S Microscope Catalog. 59-L
☐ I accept (without cost or obligation) your invitation to try UNITRON Model _____ for 10 days.

NAME _____

COMPANY _____

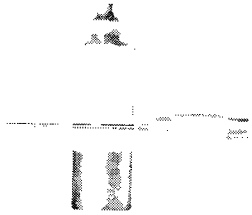
ADDRESS _____

CITY _____ STATE _____

UNITRON
INSTRUMENT COMPANY • MICROSCOPE SALES DIV.
66 NEEDHAM ST. NEWTON HIGHLANDS 61, MASS.

B-D products at your fingertips

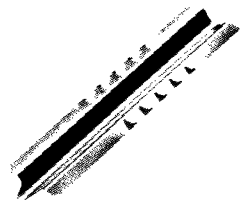
and for



UNOPETTE

disposable blood collecting and diluting pipette

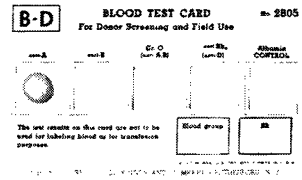
Provides everything needed for rapid, accurate blood collection and dilution. Glass capillary automatically fills with precise amount of blood. The UNOPETTE system adapts to hematological cell counts—manual or electronic—and to biochemical procedures.



MICROLANCE

Sterile Disposable Blood Lancet

Exceptionally sharp point and unique "gape" incision avoid premature closure, assure easy penetration and adequate blood flow with minimal dilution by tissue fluid. Available with either standard or new longer point for infants' heels or calloused fingers.



BLOOD TEST CARD

for ABO, Rho (D) blood grouping

The most efficient and economical way of screening for blood groups and major Rh factor—reduces procedure to an easy routine. Dried, stabilized reagents on card meet all NIH requirements for avidity, specificity and titer. Reacted card is a permanent filing record.

B-D

BECTON, DICKINSON AND COMPANY · RUTHERFORD, NEW JERSEY

In Canada: Becton, Dickinson & Co., Canada, Ltd., Clarkson, Ontario

a B-D DISCARDIT product

27166

Second International Conference on Aerobiology (Airborne Infection)

Chicago, Illinois
29–31 March 1966

Sponsored by:
Illinois Institute of Technology Research Institute, Chicago, Illinois,
and
U.S. Army Biological Center,
Fort Detrick, Frederick, Maryland

ELWOOD K. WOLFE, JR., *General Chairman*

Program Committee

Elwood K. Wolfe, Jr.
Richard Ehrlich
Mark H. Lepper

Consultants

Leighton E. Cluff
Riley D. Housewright
Stuart H. Madin
William D. Sawyer
C. E. Gordon Smith
John J. Procknow

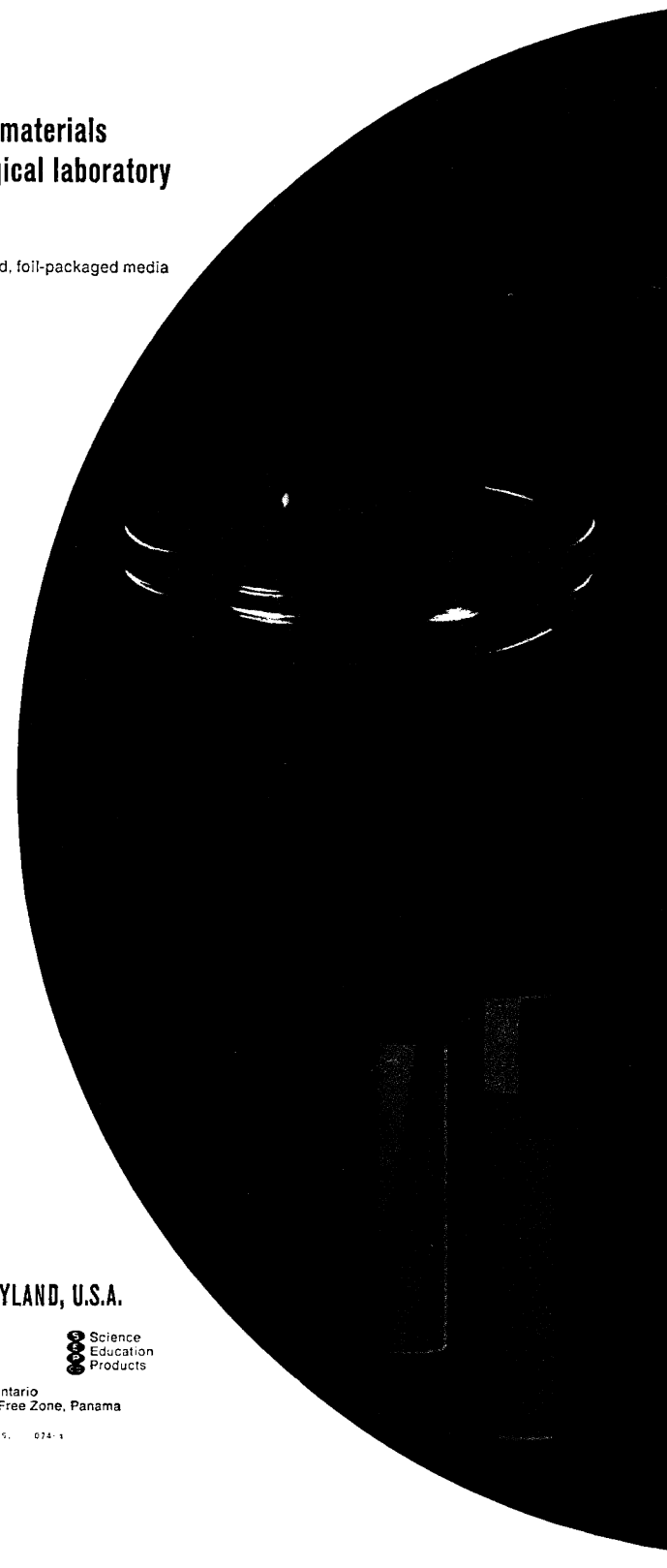
Banquet Address

Sanford S. Elberg

529

culture media and materials for the microbiological laboratory

DEHYDRATED MEDIA – bottles and Q-ESS pre-weighed, foil-packaged media
STERILE PREPARED MEDIA – tubes, bottles and kits
RIMSEAL sterile, disposable plated media



why B-B-L?

B-B-L has a unique record of service to microbiology. Production of the finest media possible, of the purest ingredients, and under the most demanding, self-imposed system of quality controls, is an old story at B-B-L. Users of B-B-L media enjoy added benefits.

An active research laboratory staffed by expert microbiologists is always ready to help with difficult culture problems and special formulations (we have originated many currently used media). No B-B-L formulation is "secret," but is freely disclosed in the interest of science. Microbiological literature and professional publications (do you know of TECHNITOPICS?) are available to student and professional alike. B-B-L also offers complete-line convenience—animal bloods, serologic reagents and laboratory equipment as well as media.

WHY B-B-L? Because when you specify B-B-L you are in fact demanding a quality standard that precisely meets professional requirements.

B-D

B-D LABORATORIES INC., BALTIMORE, MARYLAND, U.S.A.

B-B-L Baltimore Biological Laboratory

Falcon Plastics

Science Education Products

In Canada: Becton, Dickinson, & Co., Canada, Ltd., Clarkson, Ontario
Overseas: Becton, Dickinson & Co., S.A., P.O. Box 1173, Colon, Free Zone, Panama